

## **APPENDIX D**

San Carlos/Josefa Plaza - Santa Clara County, Annual

**San Carlos/Josefa Plaza**  
**Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	7.00	Space	0.06	2,800.00	0
Apartments Mid Rise	19.00	Dwelling Unit	0.12	18,127.00	59
Strip Mall	3.10	1000sqft	0.00	3,095.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics -

Land Use - Mixed-use building: Ground-floor retail; 4 floors of apartments; parking area with 6x3 stacked parking with elevators and 1 disabled space. Residential population per project description.

Demolition - Size of structure to be demolished estimated from aerial photos.

Grading - Need grading import/export.  
Estimated 7,000 SF of asphalt to be removed.

Vehicle Trips - Trip generation from City of San Jose

Construction Off-road Equipment Mitigation - Fugitive dust mitigation per BAAQMD Basic Construction Mitigation.

Mobile Land Use Mitigation - Mixed-use development, increased density and increased diversity applied.

Area Mitigation - No wood burning hearths per BAAQMD

Architectural Coating - Mitigation: Low VOC coatings beyond local requirements (BAAQMD Regulation 8, Rule3).

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblGrading	MaterialExported	0.00	150.00
tblLandUse	BuildingSpaceSquareFeet	19,000.00	18,127.00
tblLandUse	BuildingSpaceSquareFeet	3,100.00	3,095.00
tblLandUse	LandUseSquareFeet	19,000.00	18,127.00
tblLandUse	LandUseSquareFeet	3,100.00	3,095.00
tblLandUse	LotAcreage	0.50	0.12
tblLandUse	LotAcreage	0.07	0.00
tblLandUse	Population	54.00	59.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	6.39	7.50
tblVehicleTrips	ST_TR	42.04	40.00
tblVehicleTrips	SU_TR	5.86	7.50
tblVehicleTrips	SU_TR	20.43	40.00
tblVehicleTrips	WD_TR	6.65	7.50
tblVehicleTrips	WD_TR	44.32	40.00

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-1-2018	10-31-2018	0.4060	0.4060
2	11-1-2018	1-31-2019	0.3997	0.3997
		Highest	0.4060	0.4060

**2.2 Overall Operational**  
**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1457	2.6500e-003	0.2020	1.3000e-004		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003	0.8662	0.5864	1.4526	1.6200e-003	6.0000e-005	1.5100
Energy	1.1700e-003	0.0101	4.4300e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	48.1531	48.1531	1.8700e-003	5.5000e-004	48.3653
Mobile	0.0688	0.2744	0.7517	2.2500e-003	0.1934	2.2800e-003	0.1957	0.0518	2.1400e-003	0.0539	0.0000	206.0916	206.0916	7.7700e-003	0.0000	206.2858
Waste						0.0000	0.0000		0.0000	0.0000	2.4359	0.0000	2.4359	0.1440	0.0000	6.0348
Water						0.0000	0.0000		0.0000	0.0000	0.4656	3.2480	3.7136	0.0480	1.1600e-003	5.2583
<b>Total</b>	<b>0.2156</b>	<b>0.2871</b>	<b>0.9581</b>	<b>2.4400e-003</b>	<b>0.1934</b>	<b>0.0125</b>	<b>0.2059</b>	<b>0.0518</b>	<b>0.0124</b>	<b>0.0641</b>	<b>3.7677</b>	<b>258.0791</b>	<b>261.8468</b>	<b>0.2032</b>	<b>1.7700e-003</b>	<b>267.4542</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1019	2.2900e-003	0.1419	1.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	0.9897	0.9897	2.4000e-004	1.0000e-005	0.9998
Energy	1.1700e-003	0.0101	4.4300e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	48.1531	48.1531	1.8700e-003	5.5000e-004	48.3653
Mobile	0.0626	0.2301	0.5954	1.6300e-003	0.1354	1.6900e-003	0.1371	0.0362	1.5800e-003	0.0378	0.0000	149.1072	149.1072	6.1600e-003	0.0000	149.2612
Waste						0.0000	0.0000		0.0000	0.0000	2.4359	0.0000	2.4359	0.1440	0.0000	6.0348
Water						0.0000	0.0000		0.0000	0.0000	0.4656	3.2480	3.7136	0.0480	1.1600e-003	5.2583
<b>Total</b>	<b>0.1656</b>	<b>0.2424</b>	<b>0.7417</b>	<b>1.7000e-003</b>	<b>0.1354</b>	<b>3.3300e-003</b>	<b>0.1387</b>	<b>0.0362</b>	<b>3.2200e-003</b>	<b>0.0395</b>	<b>2.9015</b>	<b>201.4979</b>	<b>204.3994</b>	<b>0.2002</b>	<b>1.7200e-003</b>	<b>209.9194</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>23.18</b>	<b>15.58</b>	<b>22.59</b>	<b>30.33</b>	<b>30.00</b>	<b>73.36</b>	<b>32.64</b>	<b>30.00</b>	<b>73.95</b>	<b>38.47</b>	<b>22.99</b>	<b>21.92</b>	<b>21.94</b>	<b>1.47</b>	<b>2.82</b>	<b>21.51</b>

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2018	8/14/2018	5	10	
2	Site Preparation	Site Preparation	8/15/2018	8/15/2018	5	1	
3	Grading	Grading	8/16/2018	8/17/2018	5	2	
4	Building Construction	Building Construction	8/18/2018	1/4/2019	5	100	
5	Paving	Paving	1/5/2019	1/11/2019	5	5	
6	Architectural Coating	Architectural Coating	1/12/2019	1/18/2019	5	5	

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.06**

**Residential Indoor: 36,707; Residential Outdoor: 12,236; Non-Residential Indoor: 4,643; Non-Residential Outdoor: 1,548; Striped Parking Area: 168 (Architectural Coating – sqft)**

**OffRoad Equipment**



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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	16.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	19.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.9000e-004	0.0000	5.9000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3200e-003	0.0472	0.0389	6.0000e-005		3.1100e-003	3.1100e-003		2.9700e-003	2.9700e-003	0.0000	5.3041	5.3041	1.0200e-003	0.0000	5.3297
<b>Total</b>	<b>5.3200e-003</b>	<b>0.0472</b>	<b>0.0389</b>	<b>6.0000e-005</b>	<b>5.9000e-004</b>	<b>3.1100e-003</b>	<b>3.7000e-003</b>	<b>9.0000e-005</b>	<b>2.9700e-003</b>	<b>3.0600e-003</b>	<b>0.0000</b>	<b>5.3041</b>	<b>5.3041</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>5.3297</b>

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**3.2 Demolition - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	8.2000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1946	0.1946	1.0000e-005	0.0000	0.1948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5800e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3618	0.3618	1.0000e-005	0.0000	0.3621
<b>Total</b>	<b>2.2000e-004</b>	<b>9.7000e-004</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.5564</b>	<b>0.5564</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5569</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3200e-003	0.0472	0.0389	6.0000e-005		3.1100e-003	3.1100e-003		2.9700e-003	2.9700e-003	0.0000	5.3041	5.3041	1.0200e-003	0.0000	5.3296
<b>Total</b>	<b>5.3200e-003</b>	<b>0.0472</b>	<b>0.0389</b>	<b>6.0000e-005</b>	<b>2.7000e-004</b>	<b>3.1100e-003</b>	<b>3.3800e-003</b>	<b>4.0000e-005</b>	<b>2.9700e-003</b>	<b>3.0100e-003</b>	<b>0.0000</b>	<b>5.3041</b>	<b>5.3041</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>5.3296</b>

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**3.2 Demolition - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	8.2000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1946	0.1946	1.0000e-005	0.0000	0.1948
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5800e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3618	0.3618	1.0000e-005	0.0000	0.3621
<b>Total</b>	<b>2.2000e-004</b>	<b>9.7000e-004</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.5564</b>	<b>0.5564</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5569</b>

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	4.8800e-003	2.1300e-003	0.0000		2.1000e-004	2.1000e-004		1.9000e-004	1.9000e-004	0.0000	0.4458	0.4458	1.4000e-004	0.0000	0.4492
<b>Total</b>	<b>3.9000e-004</b>	<b>4.8800e-003</b>	<b>2.1300e-003</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>2.1000e-004</b>	<b>4.8000e-004</b>	<b>3.0000e-005</b>	<b>1.9000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.4458</b>	<b>0.4458</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4492</b>

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**3.3 Site Preparation - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	3.1100e-003	6.1000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7394	0.7394	3.0000e-005	0.0000	0.7403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0181	0.0181	0.0000	0.0000	0.0181
<b>Total</b>	<b>1.0000e-004</b>	<b>3.1200e-003</b>	<b>6.9000e-004</b>	<b>1.0000e-005</b>	<b>1.8000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.7575</b>	<b>0.7575</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7584</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	4.8800e-003	2.1300e-003	0.0000		2.1000e-004	2.1000e-004		1.9000e-004	1.9000e-004	0.0000	0.4458	0.4458	1.4000e-004	0.0000	0.4492
<b>Total</b>	<b>3.9000e-004</b>	<b>4.8800e-003</b>	<b>2.1300e-003</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>2.1000e-004</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.4458</b>	<b>0.4458</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4492</b>

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**3.3 Site Preparation - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	3.1100e-003	6.1000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7394	0.7394	3.0000e-005	0.0000	0.7403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0181	0.0181	0.0000	0.0000	0.0181
<b>Total</b>	<b>1.0000e-004</b>	<b>3.1200e-003</b>	<b>6.9000e-004</b>	<b>1.0000e-005</b>	<b>1.8000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.7575</b>	<b>0.7575</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7584</b>

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	9.4300e-003	7.7800e-003	1.0000e-005		6.2000e-004	6.2000e-004		5.9000e-004	5.9000e-004	0.0000	1.0608	1.0608	2.0000e-004	0.0000	1.0659
<b>Total</b>	<b>1.0600e-003</b>	<b>9.4300e-003</b>	<b>7.7800e-003</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>6.2000e-004</b>	<b>1.3700e-003</b>	<b>4.1000e-004</b>	<b>5.9000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>1.0608</b>	<b>1.0608</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>1.0659</b>

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**3.4 Grading - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0724	0.0724	0.0000	0.0000	0.0724
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0724</b>	<b>0.0724</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0724</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	9.4300e-003	7.7800e-003	1.0000e-005		6.2000e-004	6.2000e-004		5.9000e-004	5.9000e-004	0.0000	1.0608	1.0608	2.0000e-004	0.0000	1.0659
<b>Total</b>	<b>1.0600e-003</b>	<b>9.4300e-003</b>	<b>7.7800e-003</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>6.2000e-004</b>	<b>9.6000e-004</b>	<b>1.9000e-004</b>	<b>5.9000e-004</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>1.0608</b>	<b>1.0608</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>1.0659</b>

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**3.4 Grading - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.2000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0724	0.0724	0.0000	0.0000	0.0724
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0724</b>	<b>0.0724</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0724</b>

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0521	0.5295	0.3721	5.5000e-004		0.0340	0.0340		0.0313	0.0313	0.0000	49.9256	49.9256	0.0155	0.0000	50.3142
<b>Total</b>	<b>0.0521</b>	<b>0.5295</b>	<b>0.3721</b>	<b>5.5000e-004</b>		<b>0.0340</b>	<b>0.0340</b>		<b>0.0313</b>	<b>0.0313</b>	<b>0.0000</b>	<b>49.9256</b>	<b>49.9256</b>	<b>0.0155</b>	<b>0.0000</b>	<b>50.3142</b>



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**3.5 Building Construction - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9000e-004	0.0193	5.3700e-003	4.0000e-005	9.5000e-004	1.5000e-004	1.1000e-003	2.7000e-004	1.5000e-004	4.2000e-004	0.0000	3.8114	3.8114	2.0000e-004	0.0000	3.8164
Worker	3.0900e-003	2.3700e-003	0.0242	6.0000e-005	6.0900e-003	4.0000e-005	6.1300e-003	1.6200e-003	4.0000e-005	1.6600e-003	0.0000	5.5572	5.5572	1.7000e-004	0.0000	5.5614
<b>Total</b>	<b>3.8800e-003</b>	<b>0.0217</b>	<b>0.0296</b>	<b>1.0000e-004</b>	<b>7.0400e-003</b>	<b>1.9000e-004</b>	<b>7.2300e-003</b>	<b>1.8900e-003</b>	<b>1.9000e-004</b>	<b>2.0800e-003</b>	<b>0.0000</b>	<b>9.3686</b>	<b>9.3686</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>9.3777</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0521	0.5295	0.3721	5.5000e-004		0.0340	0.0340		0.0313	0.0313	0.0000	49.9255	49.9255	0.0155	0.0000	50.3141
<b>Total</b>	<b>0.0521</b>	<b>0.5295</b>	<b>0.3721</b>	<b>5.5000e-004</b>		<b>0.0340</b>	<b>0.0340</b>		<b>0.0313</b>	<b>0.0313</b>	<b>0.0000</b>	<b>49.9255</b>	<b>49.9255</b>	<b>0.0155</b>	<b>0.0000</b>	<b>50.3141</b>

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**3.5 Building Construction - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9000e-004	0.0193	5.3700e-003	4.0000e-005	9.5000e-004	1.5000e-004	1.1000e-003	2.7000e-004	1.5000e-004	4.2000e-004	0.0000	3.8114	3.8114	2.0000e-004	0.0000	3.8164
Worker	3.0900e-003	2.3700e-003	0.0242	6.0000e-005	6.0900e-003	4.0000e-005	6.1300e-003	1.6200e-003	4.0000e-005	1.6600e-003	0.0000	5.5572	5.5572	1.7000e-004	0.0000	5.5614
<b>Total</b>	<b>3.8800e-003</b>	<b>0.0217</b>	<b>0.0296</b>	<b>1.0000e-004</b>	<b>7.0400e-003</b>	<b>1.9000e-004</b>	<b>7.2300e-003</b>	<b>1.8900e-003</b>	<b>1.9000e-004</b>	<b>2.0800e-003</b>	<b>0.0000</b>	<b>9.3686</b>	<b>9.3686</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>9.3777</b>

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9200e-003	0.0196	0.0151	2.0000e-005		1.2100e-003	1.2100e-003		1.1100e-003	1.1100e-003	0.0000	2.0460	2.0460	6.5000e-004	0.0000	2.0622
<b>Total</b>	<b>1.9200e-003</b>	<b>0.0196</b>	<b>0.0151</b>	<b>2.0000e-005</b>		<b>1.2100e-003</b>	<b>1.2100e-003</b>		<b>1.1100e-003</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>2.0460</b>	<b>2.0460</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0622</b>

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**3.5 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.6000e-004	2.0000e-004	0.0000	4.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1578	0.1578	1.0000e-005	0.0000	0.1580
Worker	1.2000e-004	9.0000e-005	8.9000e-004	0.0000	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2247	0.2247	1.0000e-005	0.0000	0.2248
<b>Total</b>	<b>1.5000e-004</b>	<b>8.5000e-004</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3825</b>	<b>0.3825</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3829</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9200e-003	0.0196	0.0151	2.0000e-005		1.2100e-003	1.2100e-003		1.1100e-003	1.1100e-003	0.0000	2.0460	2.0460	6.5000e-004	0.0000	2.0622
<b>Total</b>	<b>1.9200e-003</b>	<b>0.0196</b>	<b>0.0151</b>	<b>2.0000e-005</b>		<b>1.2100e-003</b>	<b>1.2100e-003</b>		<b>1.1100e-003</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>2.0460</b>	<b>2.0460</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0622</b>

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**3.5 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	7.6000e-004	2.0000e-004	0.0000	4.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1578	0.1578	1.0000e-005	0.0000	0.1580
Worker	1.2000e-004	9.0000e-005	8.9000e-004	0.0000	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2247	0.2247	1.0000e-005	0.0000	0.2248
<b>Total</b>	<b>1.5000e-004</b>	<b>8.5000e-004</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>1.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3825</b>	<b>0.3825</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3829</b>

**3.6 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.0700e-003</b>	<b>0.0196</b>	<b>0.0179</b>	<b>3.0000e-005</b>		<b>1.1100e-003</b>	<b>1.1100e-003</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>2.3931</b>	<b>2.3931</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.4102</b>

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**3.6 Paving - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.2000e-004	1.2600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3159	0.3159	1.0000e-005	0.0000	0.3162
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3159</b>	<b>0.3159</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3162</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.0700e-003</b>	<b>0.0196</b>	<b>0.0179</b>	<b>3.0000e-005</b>		<b>1.1100e-003</b>	<b>1.1100e-003</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>2.3931</b>	<b>2.3931</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.4102</b>

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**3.6 Paving - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.2000e-004	1.2600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3159	0.3159	1.0000e-005	0.0000	0.3162
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3159</b>	<b>0.3159</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3162</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397
<b>Total</b>	<b>0.0811</b>	<b>4.5900e-003</b>	<b>4.6000e-003</b>	<b>1.0000e-005</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.6397</b>

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**3.7 Architectural Coating - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0527	0.0527	0.0000	0.0000	0.0527
<b>Total</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0527</b>	<b>0.0527</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0527</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397
<b>Total</b>	<b>0.0811</b>	<b>4.5900e-003</b>	<b>4.6000e-003</b>	<b>1.0000e-005</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.6397</b>

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**3.7 Architectural Coating - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0527	0.0527	0.0000	0.0000	0.0527
<b>Total</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0527</b>	<b>0.0527</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0527</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Increase Diversity



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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0626	0.2301	0.5954	1.6300e-003	0.1354	1.6900e-003	0.1371	0.0362	1.5800e-003	0.0378	0.0000	149.1072	149.1072	6.1600e-003	0.0000	149.2612
Unmitigated	0.0688	0.2744	0.7517	2.2500e-003	0.1934	2.2800e-003	0.1957	0.0518	2.1400e-003	0.0539	0.0000	206.0916	206.0916	7.7700e-003	0.0000	206.2858

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	142.50	142.50	142.50	329,119	230,383
Strip Mall	124.00	124.00	124.00	190,964	133,675
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>266.50</b>	<b>266.50</b>	<b>266.50</b>	<b>520,083</b>	<b>364,058</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unenclosed Parking with Elevator	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Apartments Mid Rise	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Strip Mall	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	36.5369	36.5369	1.6500e-003	3.4000e-004	36.6801
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	36.5369	36.5369	1.6500e-003	3.4000e-004	36.6801
NaturalGas Mitigated	1.1700e-003	0.0101	4.4300e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	11.6162	11.6162	2.2000e-004	2.1000e-004	11.6852
NaturalGas Unmitigated	1.1700e-003	0.0101	4.4300e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	11.6162	11.6162	2.2000e-004	2.1000e-004	11.6852

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	210312	1.1300e-003	9.6900e-003	4.1200e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.2231	11.2231	2.2000e-004	2.1000e-004	11.2898
Strip Mall	7366.1	4.0000e-005	3.6000e-004	3.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.3931	0.3931	1.0000e-005	1.0000e-005	0.3954
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.1700e-003</b>	<b>0.0101</b>	<b>4.4200e-003</b>	<b>6.0000e-005</b>		<b>8.1000e-004</b>	<b>8.1000e-004</b>		<b>8.1000e-004</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>11.6162</b>	<b>11.6162</b>	<b>2.3000e-004</b>	<b>2.2000e-004</b>	<b>11.6852</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	210312	1.1300e-003	9.6900e-003	4.1200e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.2231	11.2231	2.2000e-004	2.1000e-004	11.2898
Strip Mall	7366.1	4.0000e-005	3.6000e-004	3.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.3931	0.3931	1.0000e-005	1.0000e-005	0.3954
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.1700e-003</b>	<b>0.0101</b>	<b>4.4200e-003</b>	<b>6.0000e-005</b>		<b>8.1000e-004</b>	<b>8.1000e-004</b>		<b>8.1000e-004</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>11.6162</b>	<b>11.6162</b>	<b>2.3000e-004</b>	<b>2.2000e-004</b>	<b>11.6852</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	83808.4	24.3808	1.1000e-003	2.3000e-004	24.4764
Strip Mall	33890.3	9.8591	4.5000e-004	9.0000e-005	9.8977
Unenclosed Parking with Elevator	7896	2.2970	1.0000e-004	2.0000e-005	2.3060
<b>Total</b>		<b>36.5369</b>	<b>1.6500e-003</b>	<b>3.4000e-004</b>	<b>36.6801</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	83808.4	24.3808	1.1000e-003	2.3000e-004	24.4764
Strip Mall	33890.3	9.8591	4.5000e-004	9.0000e-005	9.8977
Unenclosed Parking with Elevator	7896	2.2970	1.0000e-004	2.0000e-005	2.3060
<b>Total</b>		<b>36.5369</b>	<b>1.6500e-003</b>	<b>3.4000e-004</b>	<b>36.6801</b>

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**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1019	2.2900e-003	0.1419	1.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	0.9897	0.9897	2.4000e-004	1.0000e-005	0.9998
Unmitigated	0.1457	2.6500e-003	0.2020	1.3000e-004		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003	0.8662	0.5864	1.4526	1.6200e-003	6.0000e-005	1.5100

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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0144					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0831					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0438	1.0100e-003	0.0604	1.2000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.8662	0.3558	1.2220	1.3900e-003	6.0000e-005	1.2737
Landscaping	4.3200e-003	1.6400e-003	0.1416	1.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	0.2306	0.2306	2.3000e-004	0.0000	0.2363
<b>Total</b>	<b>0.1457</b>	<b>2.6500e-003</b>	<b>0.2020</b>	<b>1.3000e-004</b>		<b>9.4100e-003</b>	<b>9.4100e-003</b>		<b>9.4100e-003</b>	<b>9.4100e-003</b>	<b>0.8662</b>	<b>0.5864</b>	<b>1.4526</b>	<b>1.6200e-003</b>	<b>6.0000e-005</b>	<b>1.5100</b>

San Carlos/Josefa Plaza - Santa Clara County, Annual

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0144					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0831					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	8.0000e-005	6.6000e-004	2.8000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7590	0.7590	1.0000e-005	1.0000e-005	0.7635
Landscaping	4.3200e-003	1.6400e-003	0.1416	1.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	0.2306	0.2306	2.3000e-004	0.0000	0.2363
<b>Total</b>	<b>0.1019</b>	<b>2.3000e-003</b>	<b>0.1419</b>	<b>1.0000e-005</b>		<b>8.3000e-004</b>	<b>8.3000e-004</b>		<b>8.3000e-004</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>0.9897</b>	<b>0.9897</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>0.9998</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.7136	0.0480	1.1600e-003	5.2583
Unmitigated	3.7136	0.0480	1.1600e-003	5.2583

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.23793 / 0.780432	3.1360	0.0405	9.8000e-004	4.4390
Strip Mall	0.229625 / 0.140738	0.5776	7.5100e-003	1.8000e-004	0.8193
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.7136</b>	<b>0.0480</b>	<b>1.1600e-003</b>	<b>5.2583</b>



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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.23793 / 0.780432	3.1360	0.0405	9.8000e-004	4.4390
Strip Mall	0.229625 / 0.140738	0.5776	7.5100e-003	1.8000e-004	0.8193
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.7136</b>	<b>0.0480</b>	<b>1.1600e-003</b>	<b>5.2583</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

San Carlos/Josefa Plaza - Santa Clara County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.4359	0.1440	0.0000	6.0348
Unmitigated	2.4359	0.1440	0.0000	6.0348

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	8.74	1.7741	0.1049	0.0000	4.3954
Strip Mall	3.26	0.6618	0.0391	0.0000	1.6395
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.4359</b>	<b>0.1440</b>	<b>0.0000</b>	<b>6.0348</b>

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**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	8.74	1.7741	0.1049	0.0000	4.3954
Strip Mall	3.26	0.6618	0.0391	0.0000	1.6395
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.4359</b>	<b>0.1440</b>	<b>0.0000</b>	<b>6.0348</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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San Carlos/Josefa Plaza - Santa Clara County, Annual

**11.0 Vegetation**

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San Carlos/Josefa Plaza - Santa Clara County, Summer

**San Carlos/Josefa Plaza**  
**Santa Clara County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	7.00	Space	0.06	2,800.00	0
Apartments Mid Rise	19.00	Dwelling Unit	0.12	18,127.00	59
Strip Mall	3.10	1000sqft	0.00	3,095.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

San Carlos/Josefa Plaza - Santa Clara County, Summer

Project Characteristics -

Land Use - Mixed-use building: Ground-floor retail; 4 floors of apartments; parking area with 6x3 stacked parking with elevators and 1 disabled space. Residential population per project description.

Demolition - Size of structure to be demolished estimated from aerial photos.

Grading - Need grading import/export.  
Estimated 7,000 SF of asphalt to be removed.

Vehicle Trips - Trip generation from City of San Jose

Construction Off-road Equipment Mitigation - Fugitive dust mitigation per BAAQMD Basic Construction Mitigation.

Mobile Land Use Mitigation - Mixed-use development, increased density and increased diversity applied.

Area Mitigation - No wood burning hearths per BAAQMD

Architectural Coating - Mitigation: Low VOC coatings beyond local requirements (BAAQMD Regulation 8, Rule3).

## San Carlos/Josefa Plaza - Santa Clara County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblGrading	MaterialExported	0.00	150.00
tblLandUse	BuildingSpaceSquareFeet	19,000.00	18,127.00
tblLandUse	BuildingSpaceSquareFeet	3,100.00	3,095.00
tblLandUse	LandUseSquareFeet	19,000.00	18,127.00
tblLandUse	LandUseSquareFeet	3,100.00	3,095.00
tblLandUse	LotAcreage	0.50	0.12
tblLandUse	LotAcreage	0.07	0.00
tblLandUse	Population	54.00	59.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	6.39	7.50
tblVehicleTrips	ST_TR	42.04	40.00
tblVehicleTrips	SU_TR	5.86	7.50
tblVehicleTrips	SU_TR	20.43	40.00
tblVehicleTrips	WD_TR	6.65	7.50
tblVehicleTrips	WD_TR	44.32	40.00

## 2.0 Emissions Summary

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San Carlos/Josefa Plaza - Santa Clara County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3962	0.1909	11.8975	0.0200		1.4743	1.4743		1.4743	1.4743	159.0461	73.2365	232.2826	0.2204	0.0112	241.1427
Energy	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792
Mobile	0.4347	1.4587	4.2758	0.0131	1.1002	0.0125	1.1127	0.2937	0.0117	0.3054		1,324.2185	1,324.2185	0.0474		1,325.4045
<b>Total</b>	<b>8.8373</b>	<b>1.7047</b>	<b>16.1976</b>	<b>0.0335</b>	<b>1.1002</b>	<b>1.4912</b>	<b>2.5914</b>	<b>0.2937</b>	<b>1.4904</b>	<b>1.7841</b>	<b>159.0461</b>	<b>1,467.6172</b>	<b>1,626.6633</b>	<b>0.2692</b>	<b>0.0125</b>	<b>1,637.1264</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5960	0.1359	1.6238	8.3000e-004		0.0182	0.0182		0.0182	0.0182	0.0000	153.0365	153.0365	5.6400e-003	2.7500e-003	153.9981
Energy	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792
Mobile	0.3995	1.2295	3.3007	9.5000e-003	0.7701	9.2300e-003	0.7793	0.2056	8.6500e-003	0.2142		957.3181	957.3181	0.0372		958.2470
<b>Total</b>	<b>1.0020</b>	<b>1.4204</b>	<b>4.9488</b>	<b>0.0107</b>	<b>0.7701</b>	<b>0.0318</b>	<b>0.8020</b>	<b>0.2056</b>	<b>0.0313</b>	<b>0.2368</b>	<b>0.0000</b>	<b>1,180.5169</b>	<b>1,180.5169</b>	<b>0.0441</b>	<b>4.0400e-003</b>	<b>1,182.8243</b>

## San Carlos/Josefa Plaza - Santa Clara County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	88.66	16.68	69.45	68.08	30.00	97.86	69.05	30.00	97.90	86.73	100.00	19.56	27.43	83.61	67.76	27.75

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2018	8/14/2018	5	10	
2	Site Preparation	Site Preparation	8/15/2018	8/15/2018	5	1	
3	Grading	Grading	8/16/2018	8/17/2018	5	2	
4	Building Construction	Building Construction	8/18/2018	1/4/2019	5	100	
5	Paving	Paving	1/5/2019	1/11/2019	5	5	
6	Architectural Coating	Architectural Coating	1/12/2019	1/18/2019	5	5	

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.06**

**Residential Indoor: 36,707; Residential Outdoor: 12,236; Non-Residential Indoor: 4,643; Non-Residential Outdoor: 1,548; Striped Parking Area: 168 (Architectural Coating – sqft)**

#### OffRoad Equipment

San Carlos/Josefa Plaza - Santa Clara County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	16.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	19.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1181	0.0000	0.1181	0.0179	0.0000	0.0179			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.350 2	1,169.350 2	0.2254		1,174.985 7
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.1181</b>	<b>0.6228</b>	<b>0.7409</b>	<b>0.0179</b>	<b>0.5943</b>	<b>0.6122</b>		<b>1,169.350 2</b>	<b>1,169.350 2</b>	<b>0.2254</b>		<b>1,174.985 7</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.2 Demolition - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7300e-003	0.1605	0.0308	4.1000e-004	8.7400e-003	6.5000e-004	9.3900e-003	2.3900e-003	6.2000e-004	3.0200e-003		43.1913	43.1913	1.9800e-003		43.2408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0276	0.3440	8.6000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		85.7412	85.7412	2.5500e-003		85.8050
<b>Total</b>	<b>0.0469</b>	<b>0.1881</b>	<b>0.3748</b>	<b>1.2700e-003</b>	<b>0.0909</b>	<b>1.1800e-003</b>	<b>0.0921</b>	<b>0.0242</b>	<b>1.1100e-003</b>	<b>0.0253</b>		<b>128.9325</b>	<b>128.9325</b>	<b>4.5300e-003</b>		<b>129.0458</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0532	0.0000	0.0532	8.0500e-003	0.0000	8.0500e-003			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.0532</b>	<b>0.6228</b>	<b>0.6759</b>	<b>8.0500e-003</b>	<b>0.5943</b>	<b>0.6023</b>	<b>0.0000</b>	<b>1,169.3502</b>	<b>1,169.3502</b>	<b>0.2254</b>		<b>1,174.9857</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.2 Demolition - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7300e-003	0.1605	0.0308	4.1000e-004	8.7400e-003	6.5000e-004	9.3900e-003	2.3900e-003	6.2000e-004	3.0200e-003		43.1913	43.1913	1.9800e-003		43.2408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0276	0.3440	8.6000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		85.7412	85.7412	2.5500e-003		85.8050
<b>Total</b>	<b>0.0469</b>	<b>0.1881</b>	<b>0.3748</b>	<b>1.2700e-003</b>	<b>0.0909</b>	<b>1.1800e-003</b>	<b>0.0921</b>	<b>0.0242</b>	<b>1.1100e-003</b>	<b>0.0253</b>		<b>128.9325</b>	<b>128.9325</b>	<b>4.5300e-003</b>		<b>129.0458</b>

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5472	0.0000	0.5472	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
<b>Total</b>	<b>0.7858</b>	<b>9.7572</b>	<b>4.2514</b>	<b>9.7600e-003</b>	<b>0.5472</b>	<b>0.4180</b>	<b>0.9652</b>	<b>0.0598</b>	<b>0.3846</b>	<b>0.4444</b>		<b>982.7113</b>	<b>982.7113</b>	<b>0.3059</b>		<b>990.3596</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.3 Site Preparation - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1797	6.0983	1.1704	0.0154	0.3320	0.0247	0.3567	0.0910	0.0236	0.1146		1,641.2709	1,641.2709	0.0752		1,643.1513
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0138	0.1720	4.3000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		42.8706	42.8706	1.2800e-003		42.9025
<b>Total</b>	<b>0.2008</b>	<b>6.1121</b>	<b>1.3424</b>	<b>0.0159</b>	<b>0.3731</b>	<b>0.0250</b>	<b>0.3980</b>	<b>0.1019</b>	<b>0.0239</b>	<b>0.1257</b>		<b>1,684.1415</b>	<b>1,684.1415</b>	<b>0.0765</b>		<b>1,686.0537</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2463	0.0000	0.2463	0.0269	0.0000	0.0269			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
<b>Total</b>	<b>0.7858</b>	<b>9.7572</b>	<b>4.2514</b>	<b>9.7600e-003</b>	<b>0.2463</b>	<b>0.4180</b>	<b>0.6643</b>	<b>0.0269</b>	<b>0.3846</b>	<b>0.4115</b>	<b>0.0000</b>	<b>982.7113</b>	<b>982.7113</b>	<b>0.3059</b>		<b>990.3596</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.3 Site Preparation - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1797	6.0983	1.1704	0.0154	0.3320	0.0247	0.3567	0.0910	0.0236	0.1146		1,641.2709	1,641.2709	0.0752		1,643.1513
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0211	0.0138	0.1720	4.3000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		42.8706	42.8706	1.2800e-003		42.9025
<b>Total</b>	<b>0.2008</b>	<b>6.1121</b>	<b>1.3424</b>	<b>0.0159</b>	<b>0.3731</b>	<b>0.0250</b>	<b>0.3980</b>	<b>0.1019</b>	<b>0.0239</b>	<b>0.1257</b>		<b>1,684.1415</b>	<b>1,684.1415</b>	<b>0.0765</b>		<b>1,686.0537</b>

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.3502	1,169.3502	0.2254		1,174.9857
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.6228</b>	<b>1.3755</b>	<b>0.4138</b>	<b>0.5943</b>	<b>1.0081</b>		<b>1,169.3502</b>	<b>1,169.3502</b>	<b>0.2254</b>		<b>1,174.9857</b>



San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0276	0.3440	8.6000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		85.7412	85.7412	2.5500e-003		85.8050
<b>Total</b>	<b>0.0421</b>	<b>0.0276</b>	<b>0.3440</b>	<b>8.6000e-004</b>	<b>0.0822</b>	<b>5.3000e-004</b>	<b>0.0827</b>	<b>0.0218</b>	<b>4.9000e-004</b>	<b>0.0223</b>		<b>85.7412</b>	<b>85.7412</b>	<b>2.5500e-003</b>		<b>85.8050</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.3387</b>	<b>0.6228</b>	<b>0.9615</b>	<b>0.1862</b>	<b>0.5943</b>	<b>0.7805</b>	<b>0.0000</b>	<b>1,169.3502</b>	<b>1,169.3502</b>	<b>0.2254</b>		<b>1,174.9857</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.4 Grading - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0276	0.3440	8.6000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		85.7412	85.7412	2.5500e-003		85.8050
<b>Total</b>	<b>0.0421</b>	<b>0.0276</b>	<b>0.3440</b>	<b>8.6000e-004</b>	<b>0.0822</b>	<b>5.3000e-004</b>	<b>0.0827</b>	<b>0.0218</b>	<b>4.9000e-004</b>	<b>0.0223</b>		<b>85.7412</b>	<b>85.7412</b>	<b>2.5500e-003</b>		<b>85.8050</b>

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555
<b>Total</b>	<b>1.0848</b>	<b>11.0316</b>	<b>7.7512</b>	<b>0.0114</b>		<b>0.7087</b>	<b>0.7087</b>		<b>0.6520</b>	<b>0.6520</b>		<b>1,146.5323</b>	<b>1,146.5323</b>	<b>0.3569</b>		<b>1,155.4555</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.5 Building Construction - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0162	0.3961	0.1056	8.4000e-004	0.0203	3.2100e-003	0.0235	5.8500e-003	3.0700e-003	8.9200e-003		88.4428	88.4428	4.3900e-003		88.5525
Worker	0.0674	0.0442	0.5504	1.3800e-003	0.1314	8.5000e-004	0.1323	0.0349	7.9000e-004	0.0357		137.1858	137.1858	4.0800e-003		137.2879
<b>Total</b>	<b>0.0836</b>	<b>0.4404</b>	<b>0.6560</b>	<b>2.2200e-003</b>	<b>0.1518</b>	<b>4.0600e-003</b>	<b>0.1558</b>	<b>0.0407</b>	<b>3.8600e-003</b>	<b>0.0446</b>		<b>225.6287</b>	<b>225.6287</b>	<b>8.4700e-003</b>		<b>225.8405</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555
<b>Total</b>	<b>1.0848</b>	<b>11.0316</b>	<b>7.7512</b>	<b>0.0114</b>		<b>0.7087</b>	<b>0.7087</b>		<b>0.6520</b>	<b>0.6520</b>	<b>0.0000</b>	<b>1,146.5323</b>	<b>1,146.5323</b>	<b>0.3569</b>		<b>1,155.4555</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.5 Building Construction - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0162	0.3961	0.1056	8.4000e-004	0.0203	3.2100e-003	0.0235	5.8500e-003	3.0700e-003	8.9200e-003		88.4428	88.4428	4.3900e-003		88.5525
Worker	0.0674	0.0442	0.5504	1.3800e-003	0.1314	8.5000e-004	0.1323	0.0349	7.9000e-004	0.0357		137.1858	137.1858	4.0800e-003		137.2879
<b>Total</b>	<b>0.0836</b>	<b>0.4404</b>	<b>0.6560</b>	<b>2.2200e-003</b>	<b>0.1518</b>	<b>4.0600e-003</b>	<b>0.1558</b>	<b>0.0407</b>	<b>3.8600e-003</b>	<b>0.0446</b>		<b>225.6287</b>	<b>225.6287</b>	<b>8.4700e-003</b>		<b>225.8405</b>

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
<b>Total</b>	<b>0.9576</b>	<b>9.8207</b>	<b>7.5432</b>	<b>0.0114</b>		<b>0.6054</b>	<b>0.6054</b>		<b>0.5569</b>	<b>0.5569</b>		<b>1,127.6696</b>	<b>1,127.6696</b>	<b>0.3568</b>		<b>1,136.5892</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.5 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.3735	0.0957	8.3000e-004	0.0203	2.7000e-003	0.0230	5.8500e-003	2.5900e-003	8.4300e-003		87.9112	87.9112	4.1700e-003		88.0154
Worker	0.0608	0.0387	0.4896	1.3400e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		133.1165	133.1165	3.6000e-003		133.2066
<b>Total</b>	<b>0.0753</b>	<b>0.4122</b>	<b>0.5853</b>	<b>2.1700e-003</b>	<b>0.1518</b>	<b>3.5400e-003</b>	<b>0.1553</b>	<b>0.0407</b>	<b>3.3600e-003</b>	<b>0.0441</b>		<b>221.0277</b>	<b>221.0277</b>	<b>7.7700e-003</b>		<b>221.2220</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
<b>Total</b>	<b>0.9576</b>	<b>9.8207</b>	<b>7.5432</b>	<b>0.0114</b>		<b>0.6054</b>	<b>0.6054</b>		<b>0.5569</b>	<b>0.5569</b>	<b>0.0000</b>	<b>1,127.6696</b>	<b>1,127.6696</b>	<b>0.3568</b>		<b>1,136.5892</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.5 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.3735	0.0957	8.3000e-004	0.0203	2.7000e-003	0.0230	5.8500e-003	2.5900e-003	8.4300e-003		87.9112	87.9112	4.1700e-003		88.0154
Worker	0.0608	0.0387	0.4896	1.3400e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		133.1165	133.1165	3.6000e-003		133.2066
<b>Total</b>	<b>0.0753</b>	<b>0.4122</b>	<b>0.5853</b>	<b>2.1700e-003</b>	<b>0.1518</b>	<b>3.5400e-003</b>	<b>0.1553</b>	<b>0.0407</b>	<b>3.3600e-003</b>	<b>0.0441</b>		<b>221.0277</b>	<b>221.0277</b>	<b>7.7700e-003</b>		<b>221.2220</b>

**3.6 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8300</b>	<b>7.8446</b>	<b>7.1478</b>	<b>0.0113</b>		<b>0.4425</b>	<b>0.4425</b>		<b>0.4106</b>	<b>0.4106</b>		<b>1,055.1823</b>	<b>1,055.1823</b>	<b>0.3016</b>		<b>1,062.7231</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.6 Paving - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0685	0.0435	0.5508	1.5000e-003	0.1479	9.4000e-004	0.1488	0.0392	8.7000e-004	0.0401		149.7561	149.7561	4.0500e-003		149.8574
<b>Total</b>	<b>0.0685</b>	<b>0.0435</b>	<b>0.5508</b>	<b>1.5000e-003</b>	<b>0.1479</b>	<b>9.4000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.7000e-004</b>	<b>0.0401</b>		<b>149.7561</b>	<b>149.7561</b>	<b>4.0500e-003</b>		<b>149.8574</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8300</b>	<b>7.8446</b>	<b>7.1478</b>	<b>0.0113</b>		<b>0.4425</b>	<b>0.4425</b>		<b>0.4106</b>	<b>0.4106</b>	<b>0.0000</b>	<b>1,055.1823</b>	<b>1,055.1823</b>	<b>0.3016</b>		<b>1,062.7231</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.6 Paving - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0685	0.0435	0.5508	1.5000e-003	0.1479	9.4000e-004	0.1488	0.0392	8.7000e-004	0.0401		149.7561	149.7561	4.0500e-003		149.8574
<b>Total</b>	<b>0.0685</b>	<b>0.0435</b>	<b>0.5508</b>	<b>1.5000e-003</b>	<b>0.1479</b>	<b>9.4000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.7000e-004</b>	<b>0.0401</b>		<b>149.7561</b>	<b>149.7561</b>	<b>4.0500e-003</b>		<b>149.8574</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.1771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>32.4435</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>



San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.7 Architectural Coating - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0114	7.2500e-003	0.0918	2.5000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		24.9593	24.9593	6.8000e-004		24.9762
<b>Total</b>	<b>0.0114</b>	<b>7.2500e-003</b>	<b>0.0918</b>	<b>2.5000e-004</b>	<b>0.0246</b>	<b>1.6000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.4000e-004</b>	<b>6.6800e-003</b>		<b>24.9593</b>	<b>24.9593</b>	<b>6.8000e-004</b>		<b>24.9762</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.1771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>32.4435</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**3.7 Architectural Coating - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0114	7.2500e-003	0.0918	2.5000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		24.9593	24.9593	6.8000e-004		24.9762
<b>Total</b>	<b>0.0114</b>	<b>7.2500e-003</b>	<b>0.0918</b>	<b>2.5000e-004</b>	<b>0.0246</b>	<b>1.6000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.4000e-004</b>	<b>6.6800e-003</b>		<b>24.9593</b>	<b>24.9593</b>	<b>6.8000e-004</b>		<b>24.9762</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Increase Diversity

San Carlos/Josefa Plaza - Santa Clara County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3995	1.2295	3.3007	9.5000e-003	0.7701	9.2300e-003	0.7793	0.2056	8.6500e-003	0.2142		957.3181	957.3181	0.0372		958.2470
Unmitigated	0.4347	1.4587	4.2758	0.0131	1.1002	0.0125	1.1127	0.2937	0.0117	0.3054		1,324.2185	1,324.2185	0.0474		1,325.4045

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	142.50	142.50	142.50	329,119	230,383
Strip Mall	124.00	124.00	124.00	190,964	133,675
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>266.50</b>	<b>266.50</b>	<b>266.50</b>	<b>520,083</b>	<b>364,058</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

San Carlos/Josefa Plaza - Santa Clara County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unenclosed Parking with Elevator	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Apartments Mid Rise	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Strip Mall	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792
NaturalGas Unmitigated	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792

San Carlos/Josefa Plaza - Santa Clara County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	576.198	6.2100e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7880	67.7880	1.3000e-003	1.2400e-003	68.1909
Strip Mall	20.1811	2.2000e-004	1.9800e-003	1.6600e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.3743	2.3743	5.0000e-005	4.0000e-005	2.3884
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.4300e-003</b>	<b>0.0551</b>	<b>0.0243</b>	<b>3.5000e-004</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>70.1623</b>	<b>70.1623</b>	<b>1.3500e-003</b>	<b>1.2800e-003</b>	<b>70.5792</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0.576198	6.2100e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7880	67.7880	1.3000e-003	1.2400e-003	68.1909
Strip Mall	0.0201811	2.2000e-004	1.9800e-003	1.6600e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.3743	2.3743	5.0000e-005	4.0000e-005	2.3884
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.4300e-003</b>	<b>0.0551</b>	<b>0.0243</b>	<b>3.5000e-004</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>70.1623</b>	<b>70.1623</b>	<b>1.3500e-003</b>	<b>1.2800e-003</b>	<b>70.5792</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5960	0.1359	1.6238	8.3000e-004		0.0182	0.0182		0.0182	0.0182	0.0000	153.0365	153.0365	5.6400e-003	2.7500e-003	153.9981
Unmitigated	8.3962	0.1909	11.8975	0.0200		1.4743	1.4743		1.4743	1.4743	159.0461	73.2365	232.2826	0.2204	0.0112	241.1427

San Carlos/Josefa Plaza - Santa Clara County, Summer

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0791					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7.8139	0.1727	10.3238	0.0199		1.4656	1.4656		1.4656	1.4656	159.0461	70.4118	229.4578	0.2177	0.0112	238.2491
Landscaping	0.0480	0.0182	1.5738	8.0000e-005		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003		2.8247	2.8247	2.7600e-003		2.8937
<b>Total</b>	<b>8.3962</b>	<b>0.1909</b>	<b>11.8975</b>	<b>0.0200</b>		<b>1.4743</b>	<b>1.4743</b>		<b>1.4743</b>	<b>1.4743</b>	<b>159.0461</b>	<b>73.2365</b>	<b>232.2825</b>	<b>0.2204</b>	<b>0.0112</b>	<b>241.1427</b>

San Carlos/Josefa Plaza - Santa Clara County, Summer

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0791					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0138	0.1177	0.0501	7.5000e-004		9.5100e-003	9.5100e-003		9.5100e-003	9.5100e-003	0.0000	150.2118	150.2118	2.8800e-003	2.7500e-003	151.1044
Landscaping	0.0480	0.0182	1.5738	8.0000e-005		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003		2.8247	2.8247	2.7600e-003		2.8937
<b>Total</b>	<b>0.5960</b>	<b>0.1359</b>	<b>1.6238</b>	<b>8.3000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0182</b>	<b>0.0182</b>	<b>0.0000</b>	<b>153.0365</b>	<b>153.0365</b>	<b>5.6400e-003</b>	<b>2.7500e-003</b>	<b>153.9981</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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San Carlos/Josefa Plaza - Santa Clara County, Summer

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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San Carlos/Josefa Plaza - Santa Clara County, Winter

**San Carlos/Josefa Plaza**  
**Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	7.00	Space	0.06	2,800.00	0
Apartments Mid Rise	19.00	Dwelling Unit	0.12	18,127.00	59
Strip Mall	3.10	1000sqft	0.00	3,095.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

San Carlos/Josefa Plaza - Santa Clara County, Winter

Project Characteristics -

Land Use - Mixed-use building: Ground-floor retail; 4 floors of apartments; parking area with 6x3 stacked parking with elevators and 1 disabled space. Residential population per project description.

Demolition - Size of structure to be demolished estimated from aerial photos.

Grading - Need grading import/export.  
Estimated 7,000 SF of asphalt to be removed.

Vehicle Trips - Trip generation from City of San Jose

Construction Off-road Equipment Mitigation - Fugitive dust mitigation per BAAQMD Basic Construction Mitigation.

Mobile Land Use Mitigation - Mixed-use development, increased density and increased diversity applied.

Area Mitigation - No wood burning hearths per BAAQMD

Architectural Coating - Mitigation: Low VOC coatings beyond local requirements (BAAQMD Regulation 8, Rule3).

## San Carlos/Josefa Plaza - Santa Clara County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblGrading	MaterialExported	0.00	150.00
tblLandUse	BuildingSpaceSquareFeet	19,000.00	18,127.00
tblLandUse	BuildingSpaceSquareFeet	3,100.00	3,095.00
tblLandUse	LandUseSquareFeet	19,000.00	18,127.00
tblLandUse	LandUseSquareFeet	3,100.00	3,095.00
tblLandUse	LotAcreage	0.50	0.12
tblLandUse	LotAcreage	0.07	0.00
tblLandUse	Population	54.00	59.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	6.39	7.50
tblVehicleTrips	ST_TR	42.04	40.00
tblVehicleTrips	SU_TR	5.86	7.50
tblVehicleTrips	SU_TR	20.43	40.00
tblVehicleTrips	WD_TR	6.65	7.50
tblVehicleTrips	WD_TR	44.32	40.00

## 2.0 Emissions Summary

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San Carlos/Josefa Plaza - Santa Clara County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3962	0.1909	11.8975	0.0200		1.4743	1.4743		1.4743	1.4743	159.0461	73.2365	232.2826	0.2204	0.0112	241.1427
Energy	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792
Mobile	0.3766	1.5392	4.3339	0.0122	1.1002	0.0126	1.1128	0.2937	0.0118	0.3055		1,233.3962	1,233.3962	0.0483		1,234.6039
<b>Total</b>	<b>8.7792</b>	<b>1.7852</b>	<b>16.2557</b>	<b>0.0326</b>	<b>1.1002</b>	<b>1.4913</b>	<b>2.5915</b>	<b>0.2937</b>	<b>1.4905</b>	<b>1.7842</b>	<b>159.0461</b>	<b>1,376.7950</b>	<b>1,535.8411</b>	<b>0.2700</b>	<b>0.0125</b>	<b>1,546.3258</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5960	0.1359	1.6238	8.3000e-004		0.0182	0.0182		0.0182	0.0182	0.0000	153.0365	153.0365	5.6400e-003	2.7500e-003	153.9981
Energy	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792
Mobile	0.3423	1.2851	3.4768	8.8500e-003	0.7701	9.3200e-003	0.7794	0.2056	8.7400e-003	0.2143		891.3683	891.3683	0.0386		892.3341
<b>Total</b>	<b>0.9447</b>	<b>1.4760</b>	<b>5.1249</b>	<b>0.0100</b>	<b>0.7701</b>	<b>0.0319</b>	<b>0.8020</b>	<b>0.2056</b>	<b>0.0314</b>	<b>0.2369</b>	<b>0.0000</b>	<b>1,114.5670</b>	<b>1,114.5670</b>	<b>0.0456</b>	<b>4.0400e-003</b>	<b>1,116.9113</b>

## San Carlos/Josefa Plaza - Santa Clara County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	89.24	17.32	68.47	69.20	30.00	97.86	69.05	30.00	97.90	86.72	100.00	19.05	27.43	83.11	67.76	27.77

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2018	8/14/2018	5	10	
2	Site Preparation	Site Preparation	8/15/2018	8/15/2018	5	1	
3	Grading	Grading	8/16/2018	8/17/2018	5	2	
4	Building Construction	Building Construction	8/18/2018	1/4/2019	5	100	
5	Paving	Paving	1/5/2019	1/11/2019	5	5	
6	Architectural Coating	Architectural Coating	1/12/2019	1/18/2019	5	5	

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.06**

**Residential Indoor: 36,707; Residential Outdoor: 12,236; Non-Residential Indoor: 4,643; Non-Residential Outdoor: 1,548; Striped Parking Area: 168 (Architectural Coating – sqft)**

#### OffRoad Equipment

San Carlos/Josefa Plaza - Santa Clara County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	16.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	19.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT



San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1181	0.0000	0.1181	0.0179	0.0000	0.0179			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.350 2	1,169.350 2	0.2254		1,174.985 7
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.1181</b>	<b>0.6228</b>	<b>0.7409</b>	<b>0.0179</b>	<b>0.5943</b>	<b>0.6122</b>		<b>1,169.350 2</b>	<b>1,169.350 2</b>	<b>0.2254</b>		<b>1,174.985 7</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.2 Demolition - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.8700e-003	0.1646	0.0334	4.0000e-004	8.7400e-003	6.6000e-004	9.4000e-003	2.3900e-003	6.3000e-004	3.0300e-003		42.4885	42.4885	2.0800e-003		42.5406
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0338	0.3227	7.9000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		78.7778	78.7778	2.4000e-003		78.8379
<b>Total</b>	<b>0.0497</b>	<b>0.1984</b>	<b>0.3561</b>	<b>1.1900e-003</b>	<b>0.0909</b>	<b>1.1900e-003</b>	<b>0.0921</b>	<b>0.0242</b>	<b>1.1200e-003</b>	<b>0.0253</b>		<b>121.2663</b>	<b>121.2663</b>	<b>4.4800e-003</b>		<b>121.3785</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0532	0.0000	0.0532	8.0500e-003	0.0000	8.0500e-003			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.0532</b>	<b>0.6228</b>	<b>0.6759</b>	<b>8.0500e-003</b>	<b>0.5943</b>	<b>0.6023</b>	<b>0.0000</b>	<b>1,169.3502</b>	<b>1,169.3502</b>	<b>0.2254</b>		<b>1,174.9857</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.2 Demolition - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.8700e-003	0.1646	0.0334	4.0000e-004	8.7400e-003	6.6000e-004	9.4000e-003	2.3900e-003	6.3000e-004	3.0300e-003		42.4885	42.4885	2.0800e-003		42.5406
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0338	0.3227	7.9000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		78.7778	78.7778	2.4000e-003		78.8379
<b>Total</b>	<b>0.0497</b>	<b>0.1984</b>	<b>0.3561</b>	<b>1.1900e-003</b>	<b>0.0909</b>	<b>1.1900e-003</b>	<b>0.0921</b>	<b>0.0242</b>	<b>1.1200e-003</b>	<b>0.0253</b>		<b>121.2663</b>	<b>121.2663</b>	<b>4.4800e-003</b>		<b>121.3785</b>

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5472	0.0000	0.5472	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846		982.7113	982.7113	0.3059		990.3596
<b>Total</b>	<b>0.7858</b>	<b>9.7572</b>	<b>4.2514</b>	<b>9.7600e-003</b>	<b>0.5472</b>	<b>0.4180</b>	<b>0.9652</b>	<b>0.0598</b>	<b>0.3846</b>	<b>0.4444</b>		<b>982.7113</b>	<b>982.7113</b>	<b>0.3059</b>		<b>990.3596</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.3 Site Preparation - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1851	6.2557	1.2700	0.0152	0.3320	0.0252	0.3572	0.0910	0.0241	0.1151		1,614.5623	1,614.5623	0.0792		1,616.5415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0169	0.1613	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		39.3889	39.3889	1.2000e-003		39.4190
<b>Total</b>	<b>0.2075</b>	<b>6.2726</b>	<b>1.4314</b>	<b>0.0156</b>	<b>0.3731</b>	<b>0.0254</b>	<b>0.3985</b>	<b>0.1019</b>	<b>0.0243</b>	<b>0.1262</b>		<b>1,653.9512</b>	<b>1,653.9512</b>	<b>0.0804</b>		<b>1,655.9605</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2463	0.0000	0.2463	0.0269	0.0000	0.0269			0.0000			0.0000
Off-Road	0.7858	9.7572	4.2514	9.7600e-003		0.4180	0.4180		0.3846	0.3846	0.0000	982.7113	982.7113	0.3059		990.3596
<b>Total</b>	<b>0.7858</b>	<b>9.7572</b>	<b>4.2514</b>	<b>9.7600e-003</b>	<b>0.2463</b>	<b>0.4180</b>	<b>0.6643</b>	<b>0.0269</b>	<b>0.3846</b>	<b>0.4115</b>	<b>0.0000</b>	<b>982.7113</b>	<b>982.7113</b>	<b>0.3059</b>		<b>990.3596</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.3 Site Preparation - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1851	6.2557	1.2700	0.0152	0.3320	0.0252	0.3572	0.0910	0.0241	0.1151		1,614.5623	1,614.5623	0.0792		1,616.5415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0224	0.0169	0.1613	4.0000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		39.3889	39.3889	1.2000e-003		39.4190
<b>Total</b>	<b>0.2075</b>	<b>6.2726</b>	<b>1.4314</b>	<b>0.0156</b>	<b>0.3731</b>	<b>0.0254</b>	<b>0.3985</b>	<b>0.1019</b>	<b>0.0243</b>	<b>0.1262</b>		<b>1,653.9512</b>	<b>1,653.9512</b>	<b>0.0804</b>		<b>1,655.9605</b>

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943		1,169.3502	1,169.3502	0.2254		1,174.9857
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.6228</b>	<b>1.3755</b>	<b>0.4138</b>	<b>0.5943</b>	<b>1.0081</b>		<b>1,169.3502</b>	<b>1,169.3502</b>	<b>0.2254</b>		<b>1,174.9857</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0338	0.3227	7.9000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		78.7778	78.7778	2.4000e-003		78.8379
<b>Total</b>	<b>0.0448</b>	<b>0.0338</b>	<b>0.3227</b>	<b>7.9000e-004</b>	<b>0.0822</b>	<b>5.3000e-004</b>	<b>0.0827</b>	<b>0.0218</b>	<b>4.9000e-004</b>	<b>0.0223</b>		<b>78.7778</b>	<b>78.7778</b>	<b>2.4000e-003</b>		<b>78.8379</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3387	0.0000	0.3387	0.1862	0.0000	0.1862			0.0000			0.0000
Off-Road	1.0643	9.4295	7.7762	0.0120		0.6228	0.6228		0.5943	0.5943	0.0000	1,169.3502	1,169.3502	0.2254		1,174.9857
<b>Total</b>	<b>1.0643</b>	<b>9.4295</b>	<b>7.7762</b>	<b>0.0120</b>	<b>0.3387</b>	<b>0.6228</b>	<b>0.9615</b>	<b>0.1862</b>	<b>0.5943</b>	<b>0.7805</b>	<b>0.0000</b>	<b>1,169.3502</b>	<b>1,169.3502</b>	<b>0.2254</b>		<b>1,174.9857</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.4 Grading - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0448	0.0338	0.3227	7.9000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		78.7778	78.7778	2.4000e-003		78.8379
<b>Total</b>	<b>0.0448</b>	<b>0.0338</b>	<b>0.3227</b>	<b>7.9000e-004</b>	<b>0.0822</b>	<b>5.3000e-004</b>	<b>0.0827</b>	<b>0.0218</b>	<b>4.9000e-004</b>	<b>0.0223</b>		<b>78.7778</b>	<b>78.7778</b>	<b>2.4000e-003</b>		<b>78.8379</b>

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555
<b>Total</b>	<b>1.0848</b>	<b>11.0316</b>	<b>7.7512</b>	<b>0.0114</b>		<b>0.7087</b>	<b>0.7087</b>		<b>0.6520</b>	<b>0.6520</b>		<b>1,146.5323</b>	<b>1,146.5323</b>	<b>0.3569</b>		<b>1,155.4555</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.5 Building Construction - 2018**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0169	0.4023	0.1196	8.2000e-004	0.0203	3.2500e-003	0.0236	5.8500e-003	3.1100e-003	8.9600e-003		86.2672	86.2672	4.7300e-003		86.3855
Worker	0.0717	0.0540	0.5163	1.2700e-003	0.1314	8.5000e-004	0.1323	0.0349	7.9000e-004	0.0357		126.0445	126.0445	3.8400e-003		126.1406
<b>Total</b>	<b>0.0886</b>	<b>0.4563</b>	<b>0.6358</b>	<b>2.0900e-003</b>	<b>0.1518</b>	<b>4.1000e-003</b>	<b>0.1559</b>	<b>0.0407</b>	<b>3.9000e-003</b>	<b>0.0446</b>		<b>212.3117</b>	<b>212.3117</b>	<b>8.5700e-003</b>		<b>212.5261</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555
<b>Total</b>	<b>1.0848</b>	<b>11.0316</b>	<b>7.7512</b>	<b>0.0114</b>		<b>0.7087</b>	<b>0.7087</b>		<b>0.6520</b>	<b>0.6520</b>	<b>0.0000</b>	<b>1,146.5323</b>	<b>1,146.5323</b>	<b>0.3569</b>		<b>1,155.4555</b>



San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.5 Building Construction - 2018**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0169	0.4023	0.1196	8.2000e-004	0.0203	3.2500e-003	0.0236	5.8500e-003	3.1100e-003	8.9600e-003		86.2672	86.2672	4.7300e-003		86.3855
Worker	0.0717	0.0540	0.5163	1.2700e-003	0.1314	8.5000e-004	0.1323	0.0349	7.9000e-004	0.0357		126.0445	126.0445	3.8400e-003		126.1406
<b>Total</b>	<b>0.0886</b>	<b>0.4563</b>	<b>0.6358</b>	<b>2.0900e-003</b>	<b>0.1518</b>	<b>4.1000e-003</b>	<b>0.1559</b>	<b>0.0407</b>	<b>3.9000e-003</b>	<b>0.0446</b>		<b>212.3117</b>	<b>212.3117</b>	<b>8.5700e-003</b>		<b>212.5261</b>

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
<b>Total</b>	<b>0.9576</b>	<b>9.8207</b>	<b>7.5432</b>	<b>0.0114</b>		<b>0.6054</b>	<b>0.6054</b>		<b>0.5569</b>	<b>0.5569</b>		<b>1,127.6696</b>	<b>1,127.6696</b>	<b>0.3568</b>		<b>1,136.5892</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.5 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0151	0.3788	0.1087	8.1000e-004	0.0203	2.7500e-003	0.0231	5.8500e-003	2.6300e-003	8.4700e-003		85.7180	85.7180	4.5000e-003		85.8304
Worker	0.0647	0.0473	0.4561	1.2300e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		122.2958	122.2958	3.3800e-003		122.3802
<b>Total</b>	<b>0.0798</b>	<b>0.4261</b>	<b>0.5648</b>	<b>2.0400e-003</b>	<b>0.1518</b>	<b>3.5900e-003</b>	<b>0.1553</b>	<b>0.0407</b>	<b>3.4000e-003</b>	<b>0.0441</b>		<b>208.0138</b>	<b>208.0138</b>	<b>7.8800e-003</b>		<b>208.2105</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
<b>Total</b>	<b>0.9576</b>	<b>9.8207</b>	<b>7.5432</b>	<b>0.0114</b>		<b>0.6054</b>	<b>0.6054</b>		<b>0.5569</b>	<b>0.5569</b>	<b>0.0000</b>	<b>1,127.6696</b>	<b>1,127.6696</b>	<b>0.3568</b>		<b>1,136.5892</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.5 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0151	0.3788	0.1087	8.1000e-004	0.0203	2.7500e-003	0.0231	5.8500e-003	2.6300e-003	8.4700e-003		85.7180	85.7180	4.5000e-003		85.8304
Worker	0.0647	0.0473	0.4561	1.2300e-003	0.1314	8.4000e-004	0.1323	0.0349	7.7000e-004	0.0356		122.2958	122.2958	3.3800e-003		122.3802
<b>Total</b>	<b>0.0798</b>	<b>0.4261</b>	<b>0.5648</b>	<b>2.0400e-003</b>	<b>0.1518</b>	<b>3.5900e-003</b>	<b>0.1553</b>	<b>0.0407</b>	<b>3.4000e-003</b>	<b>0.0441</b>		<b>208.0138</b>	<b>208.0138</b>	<b>7.8800e-003</b>		<b>208.2105</b>

**3.6 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8300</b>	<b>7.8446</b>	<b>7.1478</b>	<b>0.0113</b>		<b>0.4425</b>	<b>0.4425</b>		<b>0.4106</b>	<b>0.4106</b>		<b>1,055.1823</b>	<b>1,055.1823</b>	<b>0.3016</b>		<b>1,062.7231</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.6 Paving - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0727	0.0532	0.5131	1.3800e-003	0.1479	9.4000e-004	0.1488	0.0392	8.7000e-004	0.0401		137.5827	137.5827	3.8000e-003		137.6777
<b>Total</b>	<b>0.0727</b>	<b>0.0532</b>	<b>0.5131</b>	<b>1.3800e-003</b>	<b>0.1479</b>	<b>9.4000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.7000e-004</b>	<b>0.0401</b>		<b>137.5827</b>	<b>137.5827</b>	<b>3.8000e-003</b>		<b>137.6777</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8300</b>	<b>7.8446</b>	<b>7.1478</b>	<b>0.0113</b>		<b>0.4425</b>	<b>0.4425</b>		<b>0.4106</b>	<b>0.4106</b>	<b>0.0000</b>	<b>1,055.1823</b>	<b>1,055.1823</b>	<b>0.3016</b>		<b>1,062.7231</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.6 Paving - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0727	0.0532	0.5131	1.3800e-003	0.1479	9.4000e-004	0.1488	0.0392	8.7000e-004	0.0401		137.5827	137.5827	3.8000e-003		137.6777
<b>Total</b>	<b>0.0727</b>	<b>0.0532</b>	<b>0.5131</b>	<b>1.3800e-003</b>	<b>0.1479</b>	<b>9.4000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.7000e-004</b>	<b>0.0401</b>		<b>137.5827</b>	<b>137.5827</b>	<b>3.8000e-003</b>		<b>137.6777</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.1771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>32.4435</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.7 Architectural Coating - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0121	8.8600e-003	0.0855	2.3000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		22.9305	22.9305	6.3000e-004		22.9463
<b>Total</b>	<b>0.0121</b>	<b>8.8600e-003</b>	<b>0.0855</b>	<b>2.3000e-004</b>	<b>0.0246</b>	<b>1.6000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.4000e-004</b>	<b>6.6800e-003</b>		<b>22.9305</b>	<b>22.9305</b>	<b>6.3000e-004</b>		<b>22.9463</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.1771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>32.4435</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**3.7 Architectural Coating - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0121	8.8600e-003	0.0855	2.3000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.4000e-004	6.6800e-003		22.9305	22.9305	6.3000e-004		22.9463
<b>Total</b>	<b>0.0121</b>	<b>8.8600e-003</b>	<b>0.0855</b>	<b>2.3000e-004</b>	<b>0.0246</b>	<b>1.6000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.4000e-004</b>	<b>6.6800e-003</b>		<b>22.9305</b>	<b>22.9305</b>	<b>6.3000e-004</b>		<b>22.9463</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Increase Diversity

San Carlos/Josefa Plaza - Santa Clara County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3423	1.2851	3.4768	8.8500e-003	0.7701	9.3200e-003	0.7794	0.2056	8.7400e-003	0.2143		891.3683	891.3683	0.0386		892.3341
Unmitigated	0.3766	1.5392	4.3339	0.0122	1.1002	0.0126	1.1128	0.2937	0.0118	0.3055		1,233.3962	1,233.3962	0.0483		1,234.6039

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	142.50	142.50	142.50	329,119	230,383
Strip Mall	124.00	124.00	124.00	190,964	133,675
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	266.50	266.50	266.50	520,083	364,058

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix



San Carlos/Josefa Plaza - Santa Clara County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unenclosed Parking with Elevator	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Apartments Mid Rise	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Strip Mall	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792
NaturalGas Unmitigated	6.4300e-003	0.0551	0.0243	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003		70.1623	70.1623	1.3400e-003	1.2900e-003	70.5792

San Carlos/Josefa Plaza - Santa Clara County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	576.198	6.2100e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7880	67.7880	1.3000e-003	1.2400e-003	68.1909
Strip Mall	20.1811	2.2000e-004	1.9800e-003	1.6600e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.3743	2.3743	5.0000e-005	4.0000e-005	2.3884
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.4300e-003</b>	<b>0.0551</b>	<b>0.0243</b>	<b>3.5000e-004</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>70.1623</b>	<b>70.1623</b>	<b>1.3500e-003</b>	<b>1.2800e-003</b>	<b>70.5792</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0.576198	6.2100e-003	0.0531	0.0226	3.4000e-004		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003		67.7880	67.7880	1.3000e-003	1.2400e-003	68.1909
Strip Mall	0.0201811	2.2000e-004	1.9800e-003	1.6600e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		2.3743	2.3743	5.0000e-005	4.0000e-005	2.3884
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.4300e-003</b>	<b>0.0551</b>	<b>0.0243</b>	<b>3.5000e-004</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>4.4400e-003</b>	<b>4.4400e-003</b>		<b>70.1623</b>	<b>70.1623</b>	<b>1.3500e-003</b>	<b>1.2800e-003</b>	<b>70.5792</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5960	0.1359	1.6238	8.3000e-004		0.0182	0.0182		0.0182	0.0182	0.0000	153.0365	153.0365	5.6400e-003	2.7500e-003	153.9981
Unmitigated	8.3962	0.1909	11.8975	0.0200		1.4743	1.4743		1.4743	1.4743	159.0461	73.2365	232.2826	0.2204	0.0112	241.1427

San Carlos/Josefa Plaza - Santa Clara County, Winter

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0791					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7.8139	0.1727	10.3238	0.0199		1.4656	1.4656		1.4656	1.4656	159.0461	70.4118	229.4578	0.2177	0.0112	238.2491
Landscaping	0.0480	0.0182	1.5738	8.0000e-005		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003		2.8247	2.8247	2.7600e-003		2.8937
<b>Total</b>	<b>8.3962</b>	<b>0.1909</b>	<b>11.8975</b>	<b>0.0200</b>		<b>1.4743</b>	<b>1.4743</b>		<b>1.4743</b>	<b>1.4743</b>	<b>159.0461</b>	<b>73.2365</b>	<b>232.2825</b>	<b>0.2204</b>	<b>0.0112</b>	<b>241.1427</b>

San Carlos/Josefa Plaza - Santa Clara County, Winter

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0791					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0138	0.1177	0.0501	7.5000e-004		9.5100e-003	9.5100e-003		9.5100e-003	9.5100e-003	0.0000	150.2118	150.2118	2.8800e-003	2.7500e-003	151.1044
Landscaping	0.0480	0.0182	1.5738	8.0000e-005		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003		2.8247	2.8247	2.7600e-003		2.8937
<b>Total</b>	<b>0.5960</b>	<b>0.1359</b>	<b>1.6238</b>	<b>8.3000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0182</b>	<b>0.0182</b>	<b>0.0000</b>	<b>153.0365</b>	<b>153.0365</b>	<b>5.6400e-003</b>	<b>2.7500e-003</b>	<b>153.9981</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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San Carlos/Josefa Plaza - Santa Clara County, Winter

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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tblProjectCharacteristics

ProjectName	Location	Scenario	EMFAC_ID	WindSpeed	Precipitation	ClimateZone	Urbanization	Operational	UtilityCompany
San Carlos C		SCLARA		2.2	58	4	Urban	2020	Pacific Gas

tblProjectCharacteristics

CO2Intens	CH4Intens	N2OIntens	TotalPopul	TotalLotAc	UsingHisto	ConstructionPhaseStartDate
641.35	0.029	0.006	59	0.18	0	2018/08/01